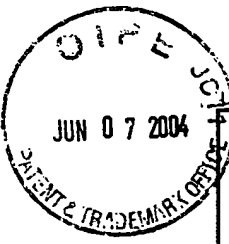


DFW



PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h1 style="text-align: center;">TRANSMITTAL FORM</h1> <p style="text-align: center;">(to be used for all correspondence after initial filing)</p>		Application Number	10/680,780
		Filing Date	October 6, 2003
		First Named Inventor	Kenneth E. ANDERSON
		Art Unit	2872
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	8 pages + 10 refs	Attorney Docket Number	495812005800

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (3 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <ol style="list-style-type: none"> 1. Form PTO-1449 + copy (4 pages) 2. Ten (10) references 3. Return postcard
<div style="border: 1px solid black; padding: 5px; min-height: 50px;"> Remarks </div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name MORRISON & FOERSTER LLP Douglas G. Hodder - 41,840	(Customer Number 25226)
Signature	
Date	6/3/04

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.	
Dated: 6/3/04	Signature: (Kathleen A. Farrell)



PATENT
Docket No. 495812005800

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 3, 2004.

Kathleen A. Farrell

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Kenneth E. ANDERSON et al.

Serial No.: 10/680,780

Filing Date: October 6, 2003

For: POLYTOPIC MULTIPLEX
HOLOGRAPHY

Examiner: Not Yet Assigned

Group Art Unit: 2872

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Pursuant to the USPTO notice dated July 11, 2003, waiving the requirement under 37 C.F.R. § 1.98 (a)(2)(i) to provide copies of U.S. Patents and U.S. Published Applications, copies of those references are not submitted. Copies of non-patent literature are submitted herewith in accordance with 37 C.F.R. § 1.98 (a)(2). The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of ___ is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of ___ is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)


Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 495812005800. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: June 3, 2004

Respectfully submitted,

By: 
Douglas G. Hodder
Registration No. 41,840

Morrison & Foerster LLP
755 Page Mill Road
Palo Alto, California 94304-1018
Telephone: (650) 813-4203
Facsimile: (650) 494-0792

Form PTO-1449

Docket Number 495812005800

Application Number 10/680,780

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Kenneth E. ANDERSON et al.

Filing Date October 6, 2003

Group Art Unit 2872

Mailing Date June 3, 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	08/16/1994	5,339,305	Curtis et al.			
	2.	01/09/1996	5,483,365	Pu et al.			
	3.	08/27/1996	5,550,779	Burr et al.			
	4.	08/26/1997	5,661,577	Jenkins et al.			
	5.	04/06/1999	5,892,601	Curtis et al.			
	6.	04/06/1999	5,892,801	Curtis et al.			
	7.	11/19/2002	6,482,551	Dhar et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
-------------------	----------	------	--------------	---------	-------	----------	-----------------------

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	8.	Barbastathis, G. et al. (October 2000). "Volume Holographic Multiplexing Methods," <i>In Holographic Data Storage</i> . Coufal, H. et al., eds., Springer-Verlag, Inc., pp. 29-30 (Includes Table of Contents).
	9.	Burr, G. W. et al. (April 2000). "Multiplexed Phase-Conjugate Holographic Data Storage with a Buffer Hologram," <i>Optics Letters</i> 25(7):499-501.
	10.	Curtis, K. et al. (December 1994). "Three-Dimensional Disk-Based Optical Correlator," <i>Optical Engineering</i> 33(12):4051-4054.
	11.	Curtis, K. et al. (July 1994). "Method for Holographic Storage Using Peristrophic Multiplexing," <i>Optics Letters</i> 19(13):993-994.
	12.	Fisher, R. A., ed. (March 1993). <i>Optical Phase Conjugation</i> . Academic Press, Inc. pp. vii-xi (Table of Contents Only).
	13.	Kostuk, R. K. et al. (October 2000). "Beam Conditioning Techniques for Holographic Recording Systems," <i>In Holographic Data Storage</i> . Coufal, H. J. et al., eds., Springer-Verlag, Inc., pp. 259-269 (Includes Table of Contents).
	14.	Li, H-Y. S. (September 1994). "Photorefractive 3-D Disks for Optical Storage and Artificial Neural Networks," Chapter 4 <i>In the Thesis in Partial Fulfillment of the Requirements for the Degree of</i>

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

Docket Number 495812005800

Application Number 10/680,780

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Kenneth E. ANDERSON et al.

Filing Date October 6, 2003

Group Art Unit 2872

Mailing Date June 3, 2004

Doctorate of Philosophy at the California Institute of Technology, Pasadena, California, (Submitted September 15, 1994), pp. 78-112 (Includes Table of Contents).

- | | |
|-----|--|
| 15. | Piazzolla, S. et al. (May 1992). "Single-Step Copying Process for Multiplexed Volume Holograms," <i>Optic Letters</i> 17(9): 676-678. |
| 16. | Rhodes, W. T. (December 1979). "Hologram Copying," Chapter 9.3 In <u>Handbook of Optical Holography</u> , Caulfield, H. J., ed., Academic Press, Inc. pp. 373-377. |
| 17. | Tao, S. et al. (June 1993). "Spationangular Multiplexed Storage of 750 Holograms in an Fe:LiNbO ₃ Crystal," <i>Optics Letters</i> 18(11):912-914. |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.